

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 08336544 A
(43) Date of publication of application: 24.12.1996

(51) Int. Cl. A61B 17/36

(21) Application number: 08147772
(22) Date of filing: 08.05.1996
(30) Priority: 08.05.1995 US 95 437262

(71) Applicant: ETHICON ENDO SURGERY INC
(72) Inventor: YATES DAVID C
WILLIAMSON IV WARREN P

(54) SURGICAL TISSUE TREATING DEVICE WITH LOCKING MECHANISM

(57) Abstract:

PROBLEM TO BE SOLVED: To ensure a safe and proper sequential usage of a surgical device by making the device include a feedback monitor for providing a signal indicating completion of tissue treatment and an electro-mechanical locking mechanism to unlock when tissue treatment is complete.

SOLUTION: A linear cutting-stapler 10 for endoscope operations comprising a housing 16 connected to a sheath 30 moving in lumen; and an end effector 15 having neck members 32, 34 extending from the distal end of the sheath 30 and being opposite to each other. The housing 16 includes a clamp trigger 12 for closing the neck members 32, 34; a switch 59 for introducing high-frequency energy; and an ejection trigger 14 for driving a cutting member in the sheath 30 via

a wedge. The neck members 32, 34 are released by pushing a button 60 and are closed again when they fit the tissue. After this closing, the cutting-stapling locking mechanism is unlocked when the high frequency switch 59 is operated to apply high frequency.

COPYRIGHT: (C)1996,JPO

